Ontario Science Centre

1981 - 82 Annual Report

cover: Science Centre exterior
by J. Paul Kennedy, a photo contest winner.

Aims & Objectives

The basic goal of the Ontario Science Centre is to promote widely among the general public an understanding of science and technology, past, present and future by:

1. *Developing systems for increasing public interest.*
This includes: communicating to the public a clear notion of how science, including modern medicine and technology, affects their daily lives; attempting to remove the psychological barriers that often make science appear intimidating to the non-expert; making science education accessible to the public outside of the formal education system.

2. *Being a high-profile, well-attended tourist attraction.*
This includes: creating revenue (particularly foreign exchange) to contribute towards the Ontario economy. It also means creating the kind of facilities, atmosphere and image that make the Centre a pleasurable place for people to visit, particularly those not already committed to science interests.

3. *Providing support and extension facilities for the education system.*
The Ontario Science Centre provides educational opportunities both in support of school programs and for those who may have missed the opportunity to learn about science during their school years.

4. *Playing a leading role in creative science exhibit design and presentation.*
By meeting this objective, the Ontario Science Centre intends to generate income and international recognition from the sale of exhibits as well as to promote local pride in the Centre and its accomplishments.

5. *Being a community centre for the discussion of science issues.*
In particular, this objective is meant to encourage active public involvement in the politics of science, to demonstrate that there is an important role for the non-expert in science issues and that, indeed, there are many public questions today which can only be answered by those with a measure of scientific common sense or judgment.

6. *Serving as an industrial liaison facility.*
By showing science applied in a social, economic context, the Ontario Science Centre aims to promote an understanding of the science and technology underlying many industrial concerns. The Centre also aims to provide a showcase for Ontario industry and to encourage industrial support for exhibits and general science education.

Strategic Objectives 1981/82

The major objectives for this operating year 1981/82 can be summarized as follows:

Attendance

Paid	1 200 000
Schools	180 000
Outreach	250 000

Exhibit Halls
6 500 to 7 500 square metres of new or renewed exhibits, primarily in the Halls of Technology, Space, Earth and Life.

Exhibit halls to be maintained at 92% operation and maximum of 15 spontaneous visitor complaints per year.

Temporary Exhibits
Summer, Mid-Winter Break, March School Break, Science Fair and two others. The summer show, CARS, to be used to develop ideas, plans and materials for the renewed Hall of Technology.

Education
5 000 school groups, 60 weekend programs, 20 programs for teenagers and development of an adult education program and school for gifted children.

Outreach
Programs to be delivered to 35 communities, 125 schools, 250 000 people including special visit of Science Circus to the United Kingdom and tour of British Columbia by new Seeing Brain exhibit.

Auditorium/Theatre
Continuation of programs, demonstrations, films, symposia, lectures and Ontario Film Theatre events.

Offpeak Promotion
To be based on activities in autumn and winter offpeak periods.

Administration
Continue efforts to improve administrative control, support and efficiency.

Foreword

Dr. J. Tuzo Wilson

The last annual report set out the basic goals and aims of the Ontario Science Centre emphasizing its particular objectives for 1980 - 1981. It is satisfactory to be able to state that the Centre made progress towards reaching its general goals and in fulfilling a majority of its specific objectives for the year.

Two events which occurred early in the fiscal year, in the spring of 1981, led to changes in the temporary exhibitions and renewal of exhibit halls, but the impact of these events was so great and their potential for future development so promising that these adjustments were accepted with enthusiasm.

The first was the signing in April, 1980 in Beijing of a three-part agreement with Chinese authorities. In return for an expenditure of $1 500 000 by the Centre, the Chinese agreed to purchase from licensed Ontario manufacturers copies of the Centre's exhibits worth $400 000, while the Centre agreed to send staff in 1982 to China to install this equipment, to help train Chinese demonstrators and to participate in opening a Science Centre in Beijing. Both parties agreed to collaborate in mounting a splendid exhibition of traditional Chinese science and technology to be manned by 18 Chinese artisans in the Centre throughout the summer of 1982. Indications are that increased attendance (about 1 000 000 visitors) and higher admission charges will pay the costs of the agreement while the interest already generated has led several prominent American institutions to ask for the exhibition after Toronto.

The other significant event was a tour of the Science Circus in May, 1981 to Birmingham for "Canada Week", followed by a visit to the Science Museum in South Kensington for three weeks. In England an estimated 120 000 visitors saw the Circus and these included several European museum directors. The educational staff in South Kensington, alerted by the great interest shown in Birmingham, conducted a careful survey of the Science Circus while it was in London and their long report drew the following satisfactory conclusions.

> "Science Circus exhibits were perceived as providing better experiences, in terms of fun and learning, than other largely static exhibits in the Science Museum and Natural History Museum. . .
>
> "The vast majority of visitors of all ages said they had learned something new from their visit to the Science Circus . . .
> "Teachers were impressed by the educational potential of the Science Circus. They indicated that the visit had contributed towards pupils learning some basic facts about science"

These developments have attracted worldwide interest in the Centre's methods and exhibits so that many important visitors have come from other museums. Some of them have placed orders with Ontario industry while others have invited the Centre to send staff or exhibits to United States, Britain, France, Spain, Greece, Israel, Venezuela, Japan, Hong Kong, Kuwait and Saudi Arabia as well as to other provinces in Canada.

These activities, especially the time required to prepare the large Chinese exhibition for the summer of 1982, have led to delay in building some new exhibits, but the time was not wasted. Encouraged by this interest in novel methods and by some extra funds, the staff have continued their innovations so that new exhibits will include robots, sophisticated computer graphics and other high technology of great interest to the public, to Canadian industry and to other museums.

J. Tuzo Wilson.

Leonard M. Reilly

The Honourable Bruce McCaffrey
Minister of Citizenship and Culture
Queen's Park
Toronto, Ontario

Dear Mr. Minister,

The period 1981 - 82 has been an extremely active one, not only for the staff, but also for the Board of Trustees.

Last spring, the Science Circus was invited by the Federal Government to participate in "Canada Week" held in Birmingham, England. It was the first time that our travelling exhibit went overseas and, as Chairman, I represented the Centre and the Board in official opening ceremonies with the High Commissioner for Canada and other dignitaries. The Science Circus was a smashing success and I was extremely proud of the way staff conducted themselves and their work, undoubtedly a reflection of our Director General's competent direction of the Centre.

The 1981 CARS summer show was opened by Henry Sissons, one of our founding Trustees, who officiated very effectively on behalf of the Board. The renewal of the Non-Food Concession at the Ontario Science Centre was given lengthy and thoughtful consideration by a special committee, which included Dr. William E. Swinton, another founding member of our Board. Also last summer, Trustee Keith Davidson represented the Ontario Science Centre in the official opening of "Bodyworks" in Thunder Bay, Ontario. During the entire year Trustee Edna Gardner has given time, talent and dedication as Chairman of the Food Liaison Committee in order to maintain quality service and cordial relationships with the food concessionaire.

A great deal of interest was shown on the part of the Trustees in the planning of the China Show. The Trustees individually and collectively offered assistance, recognizing that the importance of the exhibition extended far beyond the boundaries of Ontario.

Mr. William O'Dea, the Centre's first Director General, who was responsible for many of the accomplishments in the early days of the Centre, died in Surrey, England last fall.

Four valuable members, who gave excellent service during their terms of office retired from the Board and the five new appointees are participating actively and constructively.

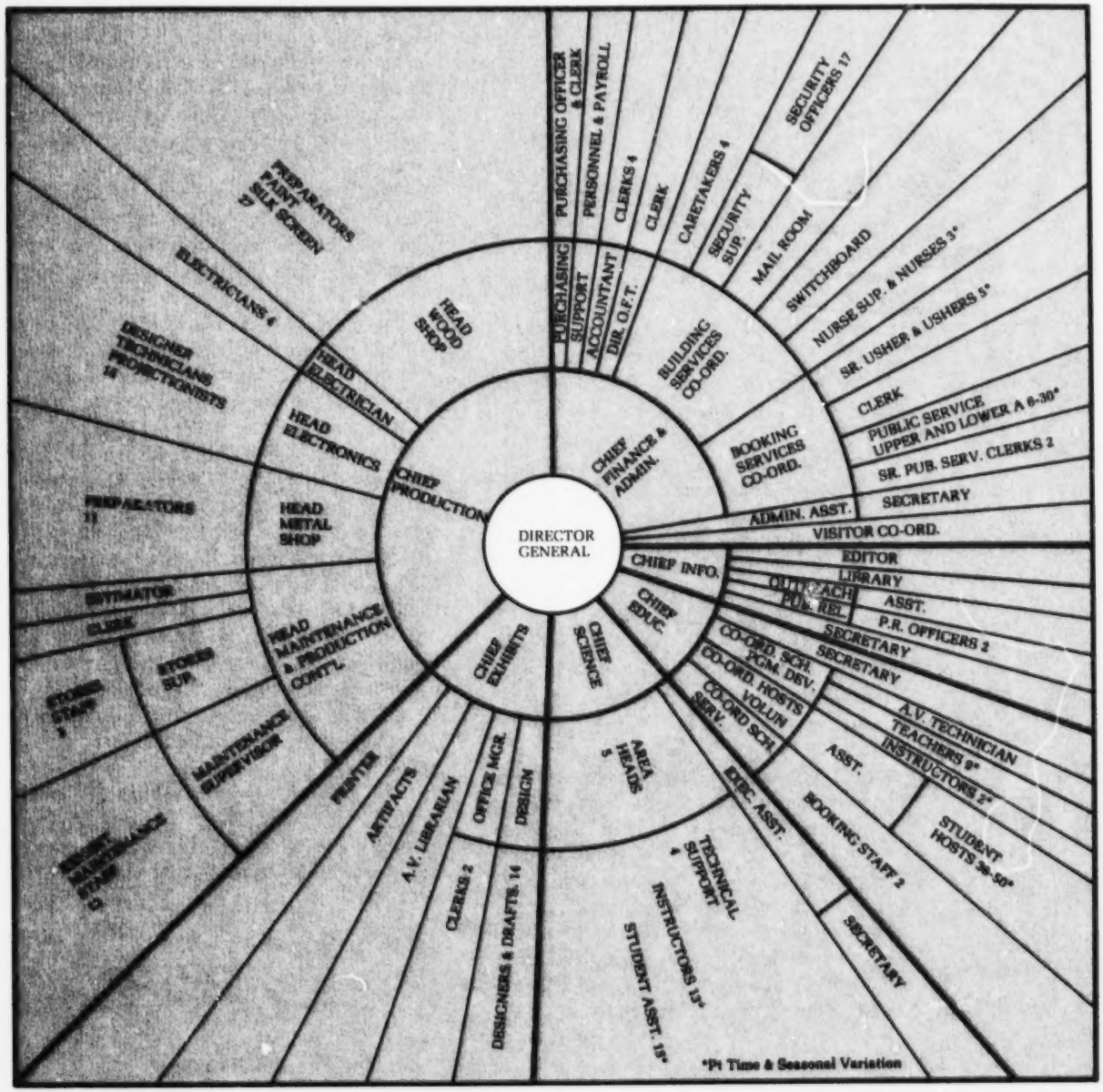
One of the Board's deepest concerns, Mr. Minister, is **THE FUTURE OF THE CENTRE.** When the Centre was created, it was designed to be a showplace for Ontario. Now the Trustees are finding themselves in the unusual situation of representing one of the finest science centres in the world, having the opportunity of reaching out internationally and expanding, but not having the financial means to do so. Most Board members feel the changes toward greater autonomy and financial control are inevitable.

These, Mr. Minister, are but a few of the activities of the Board of Trustees. On their behalf, it is my honour to present to you the Centre's Annual Report for the fiscal year 1981-82.

Respectfully yours,

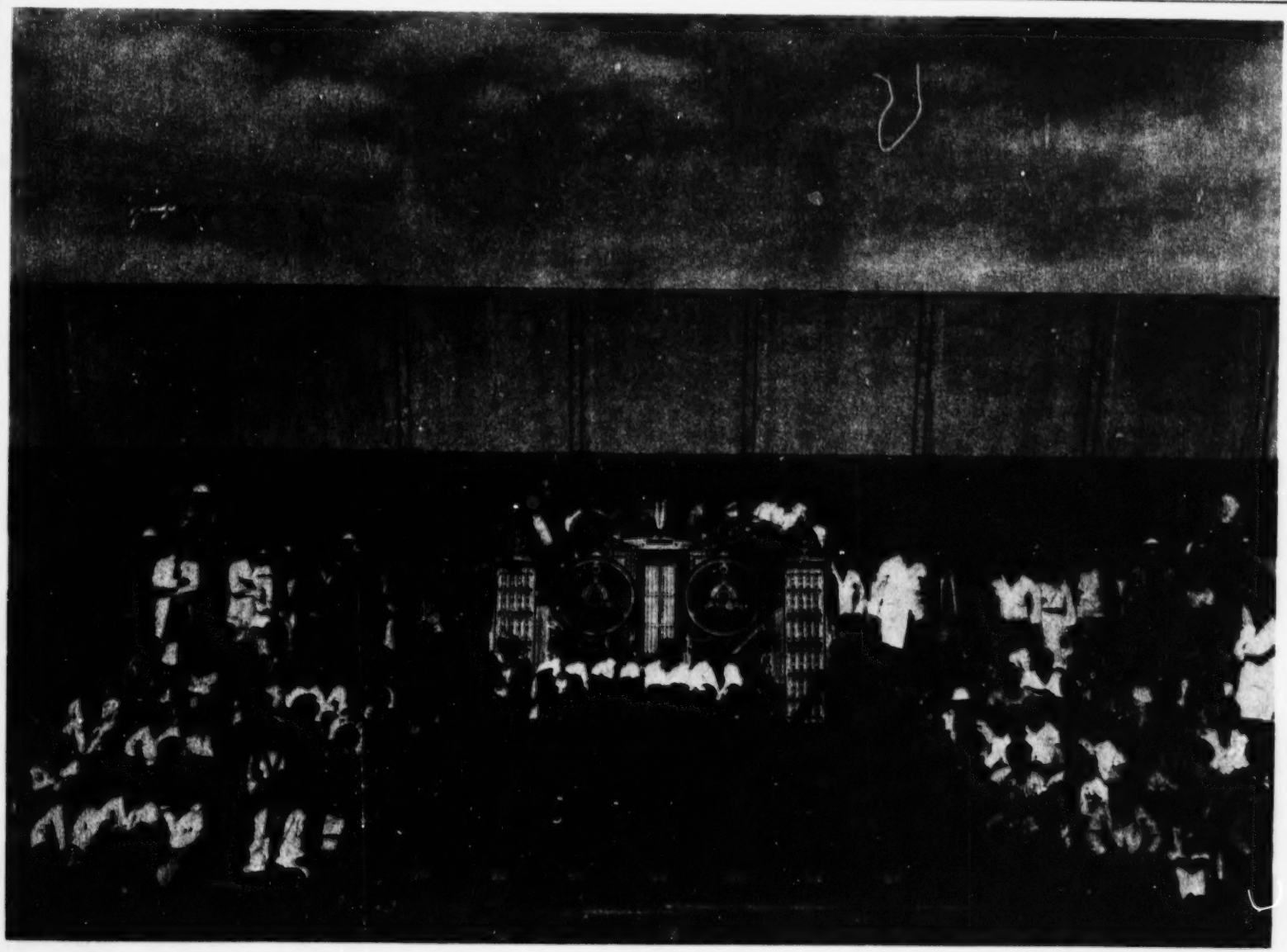
Leonard Reilly

Leonard M. Reilly,
Chairman, Board of Trustees



Science Centre Staff Organization

April '81 - March '82

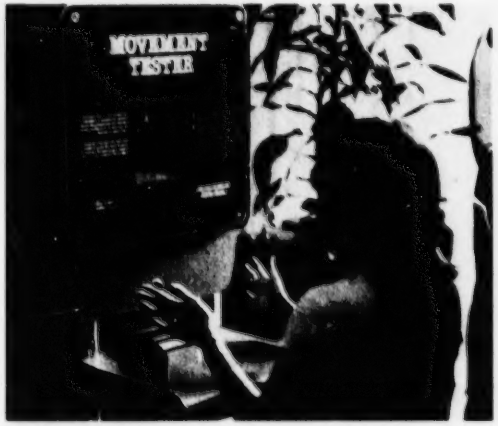


During 1981/82 the Science Centre's official complement dropped from 212 to 211. Six people retired and seven others left. Eleven new people were recruited, 28 Science Centre staff participated in training and development programs and courses.

Ongoing Programs: Highlights

Exhibit Halls
During 1981/82 the following new exhibits were added to the theme halls: In the Hall of Life - Your Body In Action, Women in Olympics, Fin Whale Exhibit and the Human Body Education Program; in the Hall of Technology - Injection Moulding Machine; in the Hall of Space - Newton's Experiment and Relativity Prototype; in the Hall of Communications - Macman Computer and Party Line Computer; and in the Energy Mezzanine - Energy Drive Computer Game.

In addition, major modifications were carried out on the following exhibits: In the Hall of Technology - Hydraulic Generator; in the Hall of Earth - Rock Shop and Precipitation Map; in the Hall of Communications -Stepladder Illusion and Tic Tac Toe and in the Science Arcade - Action Reaction.

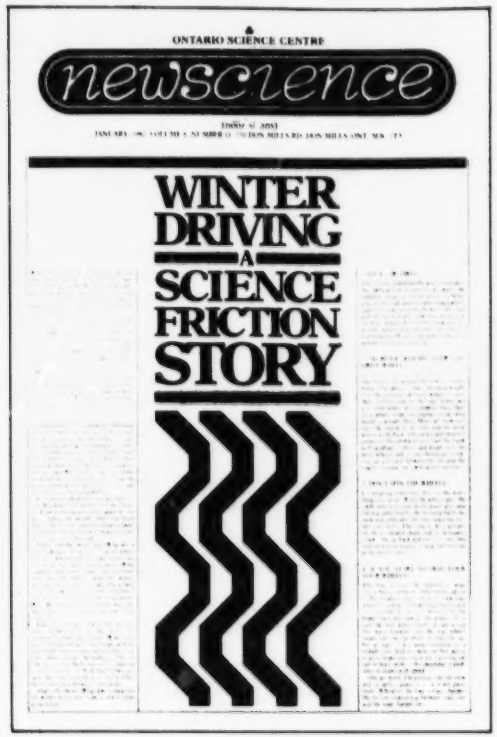


The Schools Program
Due to the effect of the new Ontario Science Education Enrichment Program (OSCEEP) the Schools Program enjoyed a dramatic increase in activity during 1981/82. A computerized service was introduced to facilitate the booking of

school visits. French language school visits were increased with Science Centre staff spending time in Prescott and Russell counties and the Sudbury area. Planning was undertaken by the Education Department for the Centre's new Science School which is scheduled for introduction in September 1982.

The Ontario Film Institute
OFI continues to provide educational and research facilities for film students, writers and teachers. It is the largest such resource centre in Canada. The Ontario Film Theatre (which is the "screen" of the OFI), provides classic and international films the year round. During the past year a major retrospective program was devoted to the work of Abel Gance, the French film pioneer. International programs included two weeks of new films from France, Poland and Finland. The Ontario Film Archive added a large amount of books, posters, journals and reviews to its collection as a result of donations by individuals and film companies.

Newscience
Through the Science Centre's Editorial Department 11 issues of Newscience were published during 1981/82 including a special eight-page issue in conjunction with the Car Show. Newscience is a tabloid newspaper offering an entertaining mixture of articles, puzzles, news of Science Centre programs, suggestions for things to do and more. It is distributed to visitors, schools, interested individuals and groups.


ONTARIO SCIENCE CENTRE
newscience
WINTER DRIVING
A SCIENCE FRICTION STORY

OSCOTT Club
A science club for 8 to 13 year olds, OSCOTT offers a series of weekly meetings throughout the year. This year saw a further increase in membership and participation in OSCOTT activities.

These OSCOTT members are trying their hands at string painting.

Ordco
Through the licensing agreement with Ordco Technologies Ltd. which was signed last year, the Science Centre now has the capability to market its exhibits to science museums and centres all over the world. During 1981/82 Ordco responded to 75 inquiries for information and prices. Two Atomic Hidden Target exhibits were made and sold to the Science Museum of Boston (value $12 400 U.S.). Agreement was reached with the Chinese for exhibits totalling $400 000 to be built in 1982/83. Two copies of the Seeing Brain travelling exhibit plus spare parts were produced at a total value of $108 000.

Museum Electronics Ltd., a sub-license of Ordco, reported a turnover of $72 000 primarily for Question and Answer boxes and the continuous loop projectors developed by the Centre.

Outreach
One of the major Outreach programs of the past year was the visit of the Science Circus to Birmingham, England and the subsequent week spent at the South Kensington Science Museum. In both locations, the Science Circus attracted enthusiastic comment and large crowds (120 000 people). The visit also produced many interested inquiries from the U.K. and European science museums.

Bodyworks, a major new travelling exhibit, was introduced at the Jeux Canada Games in Thunder Bay with financial assistance from National Museums of Canada. This organization's Museum Assistance Program also generously provided funds for the B.C. tour of a new bilingual Seeing Brain exhibit organised in conjunction with the new Vancouver Arts, Science and Technology Centre.

In addition to these highlights, Outreach continued to bring Science Centre travelling exhibits to many communities that would not otherwise have access to the Centre. Many other smaller scale programs were conducted for schools, libraries and community festivals. During the year, a special effort was made to help increase the Centre's involvement in Ontario Francophone communities.

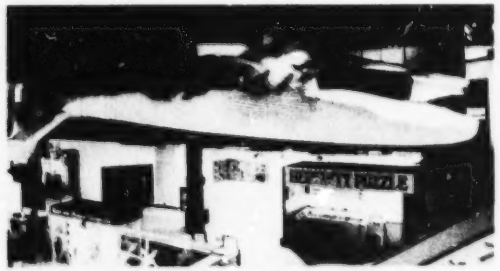
Canada Days in Birmingham
The Ontario Science Centre's Science Circus was in Birmingham, England as part of "Canada Days", a Canadian cultural and trade exposition sponsored by the Canadian government. Joining in the festivities are from left to right: Mr. Leonard M. Reilly, Chairman of the Board, Ontario Science Centre; Mrs. Jean Casselman-Wadds, High Commissioner for Canada; Mr. W. Ross deGeer, Agent General of Ontario; and the Right Worshipful Lord Mayor and Mayoress of Birmingham.

Special Events Highlights

Space Shuttle Countdown, *April 5*
A pre-launch "Special Briefing" by writer and science broadcaster Bob McDonald.

Inventiveness and The Disabled, *April 5 - 6*
As the Science Centre's contribution to the Year of the Disabled, this series of lectures focussed on the question "How do we close the gap between science and the disabled?" and featured Canadian inventor/psychologist Alice Loomer.

Whale Exhibit, *April*
Work began on the permanent installation of the reconstructed skeleton of a 19.8 m fin whale in the Hall of Life. The skull alone weighs over one tonne!



Fin whale in place in Hall of Life.

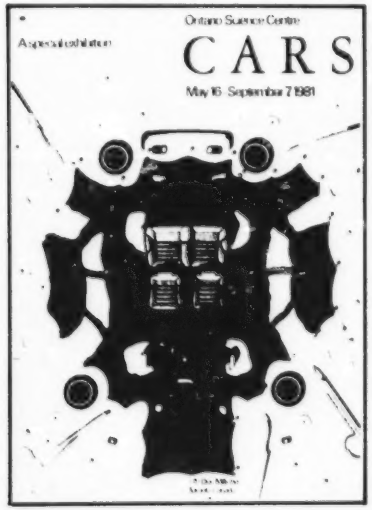
Injection Moulding Machine, *April*
A new injection moulding machine was installed in the Hall of Technology enabling visitors to watch as it produces Science Centre souvenir key rings. And they get to keep the rings.

Science Centre injection moulded key ring.

Metro Toronto Science Fair, *April 8 - 13*
This year's Fair included over 100 top science projects from grade 7 to 13 students from all over Metro Toronto. Included were: an exhibit on acid rain, a mechanical arm and — wait for it — trained earthworms!

French Science Fair, *May 15*
An initiative of the French sector of the Metropolitan Separate School Board, this first French Science Fair attracted projects from Francophone schools throughout the Metro area.

CARS, *May 16 - September 7*
A major look at the life and times of the automobile from historical, modern and futuristic points of view. As well as exhibits developed by the Science Centre and destined for the renewed Hall of Technology, many exhibits were borrowed from car manufacturers, government agencies, museums and collectors. Highlights included one of the world's fastest cars, one of the world's oldest cars, one of the world's most fuel efficient cars, a computer assisted design system, a race car simulator, a Shell car care clinic, a 1920's gas station complete with model "T", a prototype electric taxi, Lady Eaton's 1912 Rolls Royce and much more.



This poster for the CARS exhibit won an Award of Excellence in the prestigious New York Art Annual.

Photo Contest, *May 31*
Winners were announced in the Science Centre's first annual Photo Contest co-sponsored by Henry's. Prizes included cameras and a variety of photographic equipment.

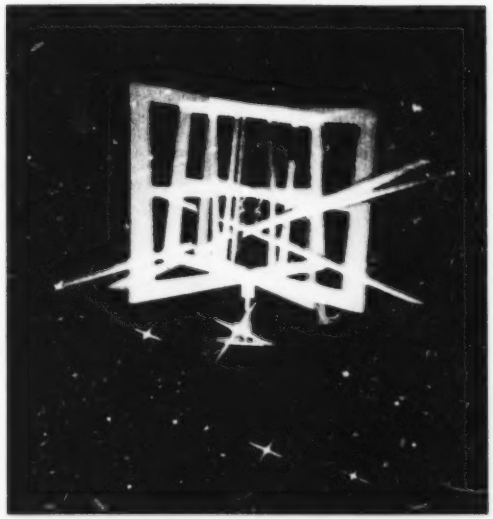


Photo Contest Winner
Could this be a UFO in the night sky? Actually, it's called an Ames Window, a revolving window located in the Science Arcade. This multi-exposure was submitted by Brad Forder of Toronto, the grand prize winner in the first annual Ontario Science Centre Photo Contest.

Science Circus visits U.K., *May/June*
In May, the Science Circus proved itself a popular attraction during the "Canada Days" trade and cultural show in Birmingham, England. More than 100 000 people visited during the 13 day stay in a downtown shopping mall. The Circus then moved to London's famous South Kensington Science Museum where it again attracted enthusiastic crowds and favourable comment.

China Show Agreement Announced, *June 11*
Following a visit from officials of the People's Republic of China, it was announced that agreement has been reached to bring the most spectacular exhibition of Chinese science and technology ever assembled outside that country to the Science Centre in the summer of 1982. The exhibit will cover 7 000 years of Chinese scientific and technological achievement. Proceeds from the exhibition will be shared between the Science Centre and China with the Chinese portion earmarked for the purchase of duplicate Science Centre exhibits for the proposed Science and Technology Palace, Beijing.

John Voskuil, Chief of Exhibitions at the Ontario Science Centre and Chen Da-zhang, chief designer for the Chinese exhibition, shake hands at the conclusion of meetings in Toronto in May 1981 to work out details of the Canada-China exhibition exchange.

Bodyworks opens at Jeux Canada Games,
July 21 - August 23
Bodyworks, a new travelling exhibition, successfully premiered at the Jeux Canada Games in Thunder Bay. Like all Science Centre exhibits Bodyworks invites/requires visitor participation. In this case visitors are invited to explore various aspects of the human body: health, fitness, nutrition, etc. The exhibits include a heart beat amplifier, a "Bionic Woman" made up of most of the prostheses in use today and an exhibition of X-ray photographs including one of Bobby Orr's knee.

The "Bionic Woman" - part of the new Bodyworks exhibit is made up of 21 different prosthetic devices.

Medical Art and Photography Show,
August 1 - September 7

Ontario Film Insititute 2nd Annual Award,
August
Documentary film maker Terence Macartney-Filgate was presented with this year's OFI distinguished achievement award for his work on the films "The Back-Breaking Leaf" and "The Golden Mountain".

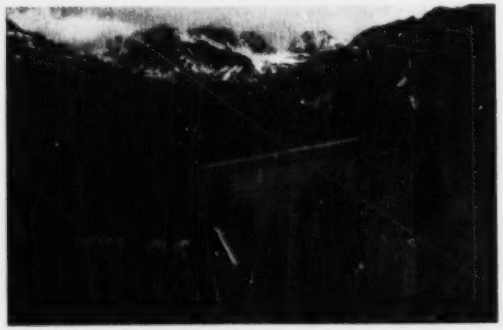
Ontario Film Institute award is in the form of a zoetrope.

Science Centre Goes to China, *August*
As part of the planning for the China Show, a group of Science Centre staff visited China, inspecting and selecting artifacts for inclusion in the Show and negotiating final arrangements.

Science City Book Fair, *October 9 - 12*
The Science Centre's unique book and gift concession, Science City introduced its new titles and offered bargain prices on many more.

SCIENCE CITY INC.

Seeing Brain Tours B.C., *October*
A new bilingual version of the Seeing Brain exhibit made a seven-city tour of British Columbia in cooperation with the new Vancouver Arts, Science and Technology Centre and funded by the Museum Assistance Program of National Museums of Canada.



Polish Engineers Exhibition, *October 24 - November 1*

The Friendship Fable
This wondrous tale about two clowns who discover the real meaning of friendship was presented to visiting school groups in the Science Centre's auditorium several times throughout the year by Toronto's Theatre Direct.

Microcomputers in Education, *October 22 - 24*
In cooperation with Technical Education Research Centres Inc. the Science Centre presented a special workshop on the use of microcomputers in education.

Scitec Conference, *November 8*
This annual event sponsored by the Association of Scientific Engineering and Technological Communities of Canada, featured a youth forum on world affairs, a public debate on the shortage of skilled manpower and an open lecture on the question of values in science and technology.

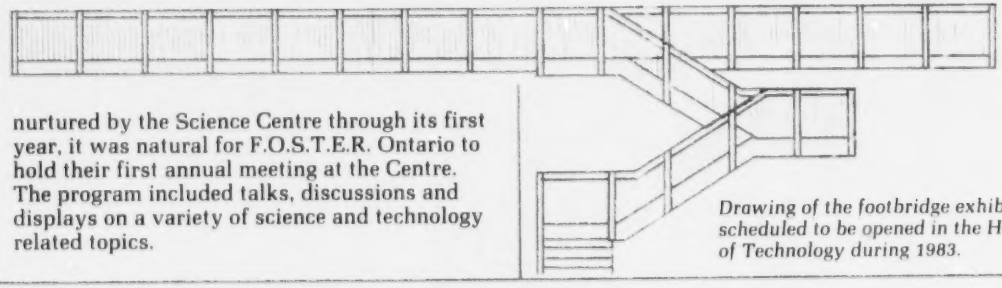
Sound of Toronto Jazz, *November - March*
Once again the Science Centre auditorium was filled with the sounds of jazz on Monday evenings throughout the winter for a series of free concerts hosted by Ted O'Reilly of CJRT-FM, co-sponsors of the series.

F.O.S.T.E.R. Ontario, 1st Annual Meeting, *November 14*
The letters stand for Friends of Science, Technology, Engineering and Research and the organization has branches throughout Ontario to encourage public involvement and interest in science related ideas and activities. Having been nurtured by the Science Centre through its first year, it was natural for F.O.S.T.E.R. Ontario to hold their first annual meeting at the Centre. The program included talks, discussions and displays on a variety of science and technology related topics.

Your Body in Action, *November 18*
A masseuse, a fireman, a father/daughter body building duo, a yoga instructor, a windsurfer, a champion squash player, a 60-year-old marathon runner and a dancer were on hand to test themselves against some new exhibits and help celebrate this major addition to the Hall of Life.

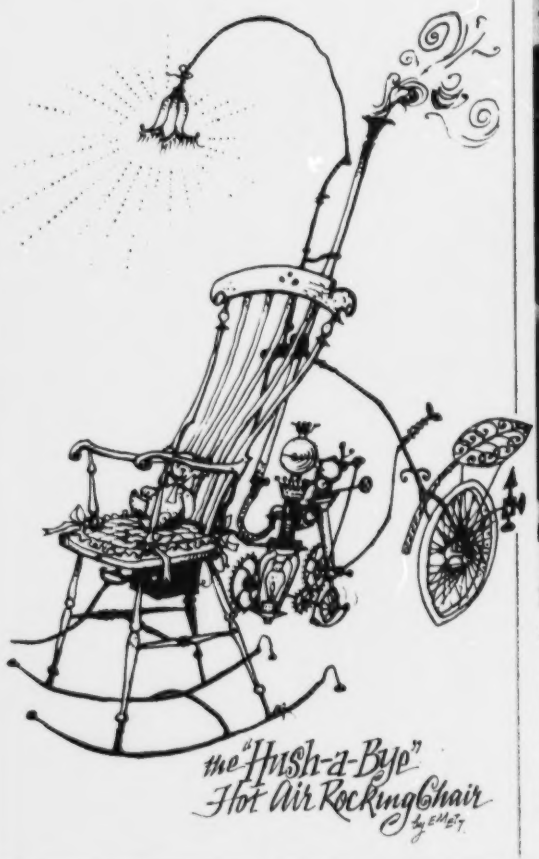
Flexibility Test - part of the new "Your Body In Action" exhibit in the Hall of Life.

Bridge Exhibit Plans Completed, *November*
The planning phase was completed for a new full size bridge to be built in the new Hall of Technology during 1983. Technical and material support for this exhibit is being generously donated by the Consulting Engineers Association of Ontario, the Ministry of Transportation and Communications and Stelco.



Drawing of the footbridge exhibit scheduled to be opened in the Hall of Technology during 1983.

Holiday Happenings, *December*
"Coming home for the holidays" was the theme for this year's mid-winter break as the Science Centre's four major travelling exhibits returned to a happy reception from home town visitors. On hand were the Emett Machines, Seeing Brain, Science Circus and the new Bodyworks exhibit.



The Science Centre Goes North, *January 10*
Pikangikum, Poplar Hill, Deer Lake, Sandy Lake, Weagamow and Cat Lake were the communities visited during this year's tour of northern Ontario by Science Centre staff. Two-thirds of all the province's northern communities have now received these visits.

Science Centre visit to a northern Ontario classroom.

Junior Science Club, *February*
Why do I have an ear? Where do bananas come from? Why do cookies taste different from pickles? These are just some of the questions being pondered by members of the Science Centre's newest club — The Junior Science Club, whose enthusiastic members are all 4 - 5 years old.

Technion Science Fair, *February 17 - 22*
Students competed for an all expense paid travel and study program at Israel's renowned Institute of Technology. The fair is sponsored by the Canadian Technion Society.

Spring Break, *March 20 - 27*
A national Rubik's Cube Tournament, a preview of The China Show, a film on the special effects used in "The Empire Strikes Back" and a demonstration of how to put ships in bottles were the highlights of the Science Centre's popular Spring break events which this year drew record crowds.

Concentration shows on the face of this contestant in the national Rubik's Cube Tournament.

National Nutrition Month, *March*
"Grab a Bite That's Right" was the slogan for this national promotion by the Ontario Dietetic Association. Science Centre activities included talks and demos on food and related topics.

Facts and Figures

During 1981/82 the auditorium was used 1048 times - an average of three times daily. (It was under renovation for part of the year).

Auditorium attendance was 162 340.

The three lecture theatres, which are used daily during the school year for classes, were used by other groups 282 times.

Facilities were rented for private use 81 times.

The Centre was visited by 2 556 tour groups (not counting school groups) totalling approximately 105 240 people.

183 241 Canadian school children visited in class groups.

In addition 28 180 students from 483 United States schools visited in class groups.

A total of 1 325 348 people visited the Centre.

Outreach activities were conducted in 44 communities and seen by 340 065 people. The following places were visited:

Science Circus: Birmingham, England
London, England

Mini Circus: Armstrong
Belleville
Kenora
London
Nipigon
Uxbridge
Welland

Special Events: Borden
Grimsby
London
Toronto
Wallaceburg
Waterloo

Seeing Brain (Ontario): Gloucester
Lakefield
Penetanguishene
Stroud

Seeing Brain (National): Fort Langley
Nanaimo
Prince George
Vancouver

Education Outreach: Prescott and Russell Counties
Northwestern Ontario (6 communities)
Sudbury

Ernett Things: Cambridge
Seattle, Washington

Admission: Adults $2.00
Students $1.00
Children $.50
Family rate $4.00
Senior Citizens free

Parking: $1.00

Hours: 10 a.m. to 6 p.m. seven days a week
Summer hours (July 1 - Sept.7)
10 a.m. - 8 p.m.
Closed December 25 only.

Annual Report: Approximately 650 copies produced for distribution to Members of the Ontario Legislature and other interested individuals and organizations.

Board of Trustees

Leonard M. Reilly Chairman

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Financial Statements for the year ended March 31, 1982

Office of the Provincial Auditor

Parliament Buildings
Queen's Park
Toronto, Ontario
M7A 1A2
416/965-1381

To the Board of Trustees and
to the Minister of Citizenship and Culture.

I have examined the balance sheet of The Centennial Centre of Science and Technology as at March 31, 1982, the statement of income, expenditure and surplus, and the statement of trust funds income, expenditure and fund balances for the year then ended. My examination was made in accordance with generally accepted auditing standards, and accordingly included such tests and other procedures as I considered necessary in the circumstances.

In my opinion, these financial statements present fairly the financial position of the Centre as at March 31, 1982 and the results of its operations for the year then ended in accordance with the basis of accounting described in note 1 to the financial statements applied on a basis consistent with that of the preceding year.

A report on the audit has been made to the Board and to the Minister.

D.F. Archer

Toronto, Ontario,
September 24, 1982.

D.F. Archer, F.C.A.,
Provincial Auditor.

The Centennial Centre of Science and Technology
(Incorporated without share capital under the Centennial Centre of Science and Technology Act)

Balance Sheet

as at March 31, 1982

Assets	**1982**	1981
	$	$
Operating		
Cash	**2,975**	21,661
Accounts receivable - trade and other	**42,916**	16,775
Prepaid expenses	**31,969**	9,995
Inventory of general stores and small tools (note 1d)	**76,155**	76,227
Fixed assets, at nominal value (notes 1e, 2 and 3)	**1**	1
	154,016	124,659
Trust fund		
Cash and short term deposits	**47,888**	151,724
	201,904	276,383
Liabilities and Fund Balances		
Operating liabilities		
Accounts payable and accrued liabilities	**40,432**	22,188
Due to Province of Ontario (note 1b)	**37,452**	26,243
Surplus	**76,132**	76,228
	154,016	124,659
Trust fund balances (note 5)	**47,888**	151,724
	201,904	276,383

See accompanying notes to financial statements.

On behalf of the Board of Trustees:

Leonard M. Reilly
Member, Chairman

Member

The Centennial Centre of Science and Technology

Statement of Income, Expenditure and Surplus

for the year ended March 31, 1982

	1982 $	1981 $
Income		
Fees - entrance	**1,226,324**	1,261,089
- parking	**195,935**	194,378
Concessions	**278,479**	249,533
Other	**36,131**	29,458
	1,736,869	1,734,458
Net funds provided by Province of Ontario	**6,837,230**	5,812,222
	8,574,099	7,546,680
Expenditures (note 4)		
Salaries and employee benefits (note 2)	**5,939,258**	5,363,827
Materials - maintenance of exhibits	**564,762**	588,506
- new exhibits (notes 1e and 2)	**128,569**	177,756
Supplies and publications	**475,852**	321,352
Cleaning expenses	**380,466**	369,751
Travel and promotional expenses	**214,469**	153,994
Machinery, furniture and equipment (notes 1e and 2)	**181,705**	79,705
Consulting services	**114,016**	117,177
Advertising	**107,265**	72,733
Postage and freight	**68,057**	24,469
Telephone and telegraph	**63,462**	55,034
Film rentals	**45,851**	36,326
Periodicals and books	**29,907**	21,523
Equipment rentals	**16,518**	11,463
Artifacts (notes 1e and 2)	**522**	2,746
Other	**243,516**	152,432
	8,574,195	7,548,794
Deficiency of income over expenditure	**(96)**	(2,114)
Surplus, beginning of year	**76,228**	78,342
Surplus, end of year	**76,132**	76,228

See accompanying notes to financial statements.

The Centennial Centre of Science and Technology

Statement of Trust Funds Income, Expenditure and Fund Balances

for the year ended March 31, 1982

	1982	1981
	$	$
Income		
Shell Canada Limited	**35,000**	-
The War Amputations of Canada	**18,000**	-
National Museums of Canada grants	**14,388**	210,100
Interest	**11,937**	11,444
A.S.T.C. internship program grant	**7,743**	-
Bridge exhibit donors	**7,000**	-
Donations	**5,951**	5,158
Other	**1,325**	-
	101,344	226,702
Expenditure		
Exhibit construction	**155,069**	70,553
Exhibit running costs	**34,690**	-
Internship program	**7,743**	4,500
Travel	**4,078**	-
Prize	**-**	1,001
Other	**3,600**	-
	205,180	76,054
(Deficiency) excess of income over expenditure	**(103,836)**	150,648
Fund balances, beginning of year	**151,724**	1,076
Fund balances, end of year (note 5)	**47,888**	151,724

See accompanying notes to financial statements.

Notes to Financial Statements

March 31, 1982

1. Significant Accounting Policies

The financial statements of The Centennial Centre of Science and Technology (the Centre) present the financial position and results of activities within the framework of the accounting policies summarized below.

a) *Fund accounting*

The accounts of the Centre, other than operating accounts, are maintained in accordance with the principles of fund accounting. Accordingly, resources for various purposes are classified for accounting and reporting purposes into funds that are held in accordance with the objectives specified by the donors. For financial reporting purposes, the funds have been classified into two fund groupings as follows:

i) Current restricted: funds restricted by the contributors for special purpose expenditures of a current nature;

ii) Current unrestricted: unrestricted donations and interest income earned from restricted and various unrestricted funds of a current nature.

b) *Expenditure*

Expenditure is reported on the accrual basis of accounting modified to allow an additional twenty-two days to pay for goods and services acquired in the fiscal year just ended. In this regard, payments to employees for the pay period which overlaps the fiscal year end date are apportioned between the two years.

c) *Income*

Income, except for trust fund grants and donations, is reported on the accrual basis of accounting modified to allow an additional seven days for transfers of income to the Province of Ontario pertaining to the fiscal year just ended. Trust fund grant and donation income are recorded as received.

d) *Inventory*

Inventory is valued at the lower of cost or replacement cost, determined on the first in, first out basis.

e) *Fixed assets*

Additions to fixed assets are charged as expenditures in the year of acquisition. Fixed assets are reported on the balance sheet at a nominal value of $1.

2. Fixed Assets, Other Than Building

For information purposes, the total accumulated costs of fixed assets, less deletions, as at March 31 are as follows:

	1982 $	1981 $
Exhibits (including labour, material and allocated overhead)	7,691,118	7,152,790
Machinery, furniture and equipment	1,564,761	1,380,055
Artifacts	296,072	295,550
	9,551,951	8,828,395

3. Fixed Assets - Building

The capital costs provided by the Ontario Government amounting to $376,300 (1981 - $540,000) in the current year are not included in the accompanying balance sheet. For information purposes only, the accumulated costs of facilities provided by the Governments of Canada and Ontario amounted to $29,805,050 (1981 - $29,428,750) as at March 31, 1982.

The land on which the Centre is located is leased for $1 per annum on a 99 year agreement commencing July 1, 1965.

4. Additional Expenditure

Certain additional operating expenses are being met on behalf of the Centre by Ontario Government ministries and are therefore not included in the statement of income, expenditure and surplus. The expenses incurred during the fiscal year, from the records of these ministries consist of:

	1982 $	1981 $
Exchange premiums	22,874	9,110
Building maintenance	1,321,600	1,215,900
Rental of off-site facilities	14,908	15,517
Grants in lieu of municipal taxes	46,658	42,177
	1,406,040	1,282,704

5. Trust Funds

A summary of the changes in the various trust accounts for the fiscal year is as follows:

	Balance as at March 31/81 $	Add Receipts $	Deduct Expenditures $	Balance as at March 31/82 $
Current restricted				
National Museums of Canada				
Seeing Brain	78,335	-	69,540	8,795
Bodyworks	57,402	14,388	71,619	171
Shell Canada Limited				
1981 Car Show	-	35,000	35,000	-
The War Amputations of Canada				
Bodyworks	-	18,000	17,988	12
A.S.T.C.				
Internship program	-	7,743	7,743	-
Bridge exhibit	-	7,000	-	7,000
Total	135,737	82,131	201,890	15,978
Current unrestricted				
General fund	15,987	19,213	3,290	31,910
	151,724	101,344	205,180	47,888

6. Commitments

The Centre has guaranteed that the China Science and Technology Palace Preparatory Committee will receive no less than $400,000 of admission revenue from exhibitions commencing in May 1982.

7. Comparative Figures

Comparative figures have been reclassified where necessary to conform with the 1982 presentation.

Tell Us What You Think

We saw your "circus" in B'ham (England) and your centre lives up to everything we were told to expect.

Alan Breeden and family

A museum where you're actually encouraged to touch!

Dave Burris

No my birthday and my honeymoon and I think everything's fine fun and entertaining. (P.S. after seeing all the kids we've decided to wait a few more years to have any!)

Deborah Horon

What amazes me is how the exhibits stand up to the children.

R. Chappell

Your films about sex are a bit too explanatory.

No name

The travelling Ontario Science Circus puts a hefty knee in the groin of the accepted wisdom that science is . . . well, boring. Its "participatory" exhibits in the Birmingham shopping mall tapped the curiousity of Homo sapiens from the age of 8 to 80 and left hundreds of them in open-mouthed wonder.

New Scientist 21 May 1981

Votre Centre est super, mais en anglais!!! vous n'etes pas les seules.

G. Carlton

Bringing a class to the Science Centre is truly the ultimate highlight of the year. . . . From the time they get here they are totally involved, amazed, amused and educated by principles they observe and create through your excellent exhibits (The teacher always learns something new too!)

Jim Kowalski

I like It
Because It
Helped me to
Under stand my
School work

Karen Kus

A visit to the Ontario Science Centre, especially for families with children is the best entertainment value for a modest admission charge anywhere in Canada.

The London Free Press

I don't like crowds; walking my feet off; searching for the washrooms; standing in line; trying to keep track of others; trying to find the slot on this machine!

C.J. Child

I Liked the papermaking the nbest, the Moves were fun and the talking type-writer too

Claire MasoN

Fabulous place! Stimulates imagination, teaches, entertains. I wish we had one in the New York City area.

Barbara Kuperman

". . . it teaches you many things in the nicest possible ways."

Kisten Hook

The Science Centre is a place for the imagination to meet reality. Fantastic. A place of pure discovery.

Mark Vinger

I love watching the kids faces all lit up like a christmas tree. So happy and involved.

No name.

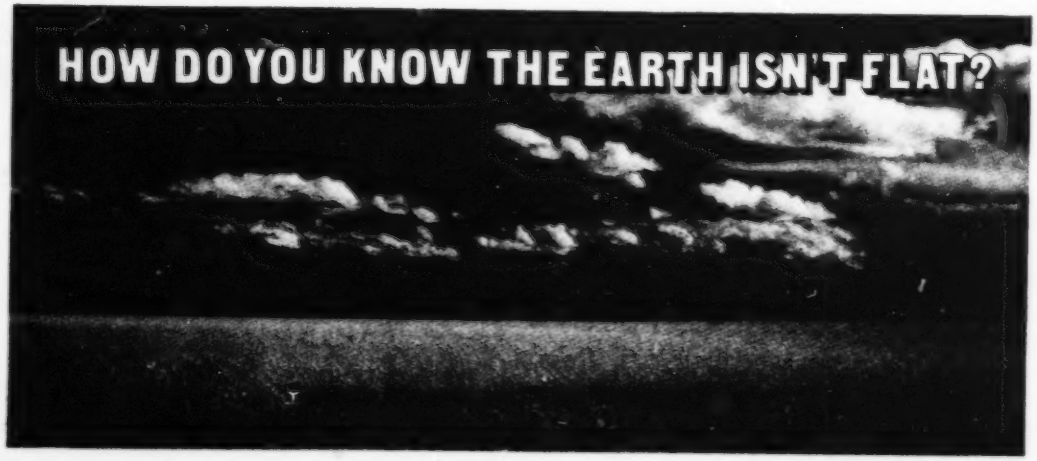
Going to the Science Centre is lots of fun,
The buildings were built for everyone,
There are many different sections
Space, Transportation and Earth to just name a few.
Communications are another two,
The buildings were built in Nature herself.
And if you look from a high shelf,
You can see into the valley below,
Where the different things grow,
Maple tree and old oak too,
These are just a very few.
Out in the front there is a fountain
Water towers like a mountain.
Inside you can do many things;
First I went to the Science Arcade
Where I stayed,
To play some games.
I found my class
There at last!

From there I went to Communications,
Where I played
Some games.
I tried to find the bird's nest
With a sound finder.
I looked East and West,
But I couldn't find the bird's nest.
I played a game
That was never the same,
You tried to save the patient's life
By giving Medication.
But in frustration
I killed two of my patients.
But I saved one of my patients,
Hurray! Hurray!
But the guy didn't pay
His doctor bill,
But since he hadn't paid,
I moved on to the Science Arcade,
(It was also time to meet my teacher.)

From there my class went to their coats,
But I stayed to see the Hall of Earth,
It'd didn't show pictures or boats,
But Maps!
I watched a movie called "Continental Drift"
It was very swift,
(It only took 11 minutes.)
Oh, what a place!
You can drive a rocket or a space capsule
Get your weight in space pounds.
These and other things,
Can be done at the Science Centre.
I had a lot of fun
And so did everyone,
At the Science Centre.

I really enjoyed myself at the Science Centre, even though I only got half day, (I had to go to the Orthodontist in the morning.) I hope you enjoyed yourself, too.

The Science Centre
Susan Davies, Grade 5, Scarborough.



One of a series of posters for use on the TTC as part of the Science Centre's off-peak season advertising campaign.